

1. BASIC INFORMATION BEFORE OPERATION

1. INITIAL SCREEN

- 1 When the "POWER" <"ENGINE START STOP"> switch is in ACCESSORY or ON <IGNITION ON> mode, the initial screen will be displayed and the system will begin operating.

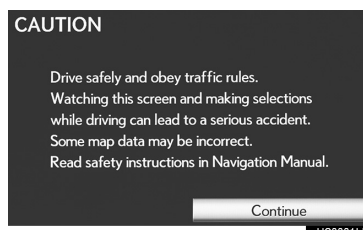


- Images shown on the initial screen can be changed to suit individual preferences. (See page 59.)

CAUTION

- When the vehicle is stopped with the hybrid system operating <the engine running>, always apply the parking brake for safety.

- After a few seconds, the "CAUTION" screen will be displayed.

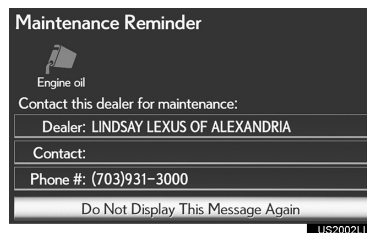


- After about 5 seconds, the "CAUTION" screen automatically switches to the map screen. (If a button other than the "MAP/VOICE" button on the Remote Touch is pressed, the function's corresponding screen will be displayed.)

MAINTENANCE INFORMATION

This system reminds users when to replace certain parts or components and shows dealer information (if registered) on the screen.

When the vehicle reaches a previously set driving distance or date specified for a scheduled maintenance check, the "Maintenance Reminder" screen will be displayed when the navigation system is turned on.



- This screen goes off if the screen is not operated for several seconds.
- To prevent this screen from being displayed again, select **"Do Not Display This Message Again"**.
- To register maintenance information, see **"MAINTENANCE"** on page 137.

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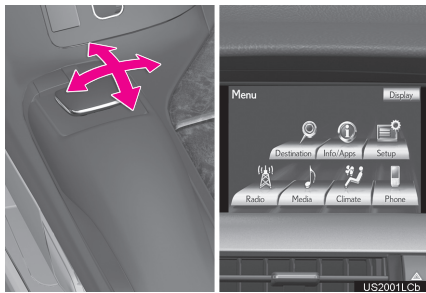
BASIC FUNCTION

1. BASIC INFORMATION BEFORE OPERATION

2. HOW TO USE THE Remote Touch

This navigation system can be operated by the Remote Touch when the "POWER" <"ENGINE START STOP"> switch is in ACCESSORY or ON <IGNITION ON> mode.

- 1 Use the Remote Touch knob to select the desired button on the screen.



- 2 To select the button on the screen, press the Remote Touch knob. Once a button has been selected, the screen will change.



- When the pointer moves close to a button, it will be automatically pulled onto that button. The strength of this pull can be adjusted. (See page 63.)
- The pointer will disappear from the screen if it is not moved for 6 seconds. Operation of the Remote Touch knob will cause the pointer to reappear.
- Press the "▲" button on the Remote Touch to zoom in on the map screen and the "▼" button to zoom out. These buttons can also be used to scroll up and down on list screens.
- Press the "MENU" button on the Remote Touch to set a destination or adjust settings for the audio/video system, air conditioning system, etc.
- The map screen can be returned to by pressing the "MAP/VOICE" button on the Remote Touch.

! CAUTION

- Do not allow fingers, fingernails or hair to become caught in the Remote Touch as this may cause an injury.
- Be careful when touching the Remote Touch in extreme temperatures as it may become very hot or cold due to the temperature inside the vehicle.

**NOTICE**

- Do not allow the Remote Touch to come into contact with food, liquid, stickers or lit cigarettes as doing so may cause it to change color, emit a strange odor or stop functioning.
- Do not subject the Remote Touch to excessive pressure or strong impact as the knob may bend or break off.
- Do not allow coins, contact lenses or other such items to become caught in the Remote Touch as this may cause it to stop functioning.
- Items of clothing may rip if they become caught on the Remote Touch knob.
- If your hand or any object is on the Remote Touch knob when the "POWER" <"ENGINE START STOP"> switch is turned to ACCESSORY mode, the Remote Touch knob may not operate properly.

INFORMATION

- Under extremely cold conditions, the Remote Touch knob may react slowly.



1. BASIC INFORMATION BEFORE OPERATION

3. INPUTTING LETTERS AND NUMBERS/LIST SCREEN OPERATION

When searching for an address or name, or entering data, letters and numbers can be input via the screen.

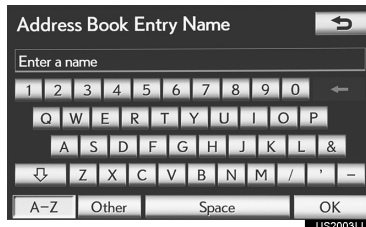
- Keyboard layout can be changed. (See page 58.)

- On certain letter entry screens, letters can be entered in upper or lower case.

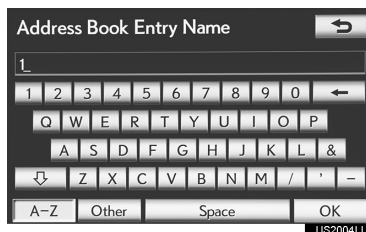
Icon	Function
	Select to enter in lower case.
	Select to enter in upper case.


TO INPUT LETTERS AND NUMBERS

- 1 Select "A-Z" to display the alphabet keys.



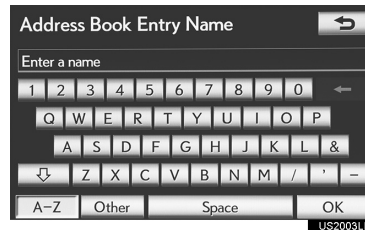
- 2 Select the keys directly to enter letters or numbers.



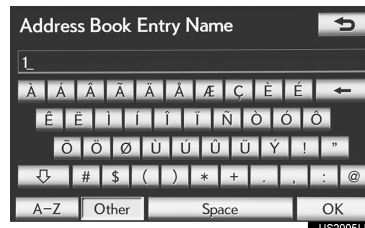
: Select to erase one character. Select and hold to continue erasing characters.


TO INPUT SYMBOLS

- 1 Select "Other" to display symbol keys.



- 2 Select the symbol keys directly to enter symbols.

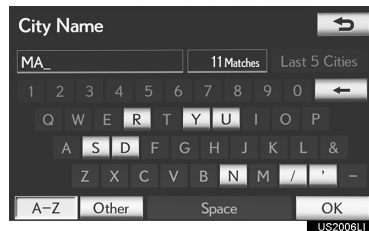


: Select to erase one symbol. Select and hold to continue erasing symbols.

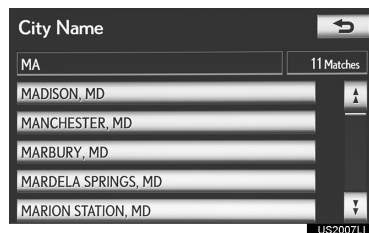
1. BASIC INFORMATION BEFORE OPERATION

TO DISPLAY THE LIST

- 1 Select "OK" to search for an address or a name.



- Matching items from the database are listed even if the entered address or name is incomplete.
- The list will be displayed automatically if the maximum number of characters is entered or the number of matching items is 5 or less.

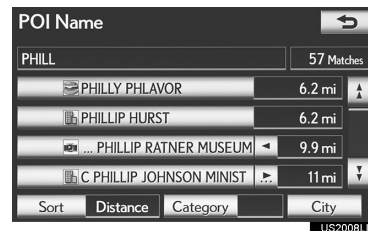


INFORMATION

- The number of matching items is shown on the right side of the screen. If the number of matching items is more than 999, the system displays "***" on the screen.

LIST SCREEN OPERATION

When a list is displayed, use the appropriate screen button to scroll through the list.



Icon	Function
	Select to skip to the next or previous page.
	Select and hold or to scroll through the displayed list.
	This indicates the displayed screen's position.
	If appears to the right of an item name, the complete name is too long to display. Select to scroll to the end of the name.
	Select to move to the beginning of the name.

INFORMATION

- The "∧" and "v" buttons on the Remote Touch can be used to scroll up and down on list screens.

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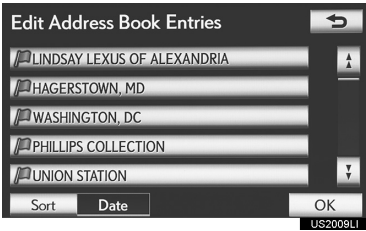
BASIC FUNCTION

1. BASIC INFORMATION BEFORE OPERATION

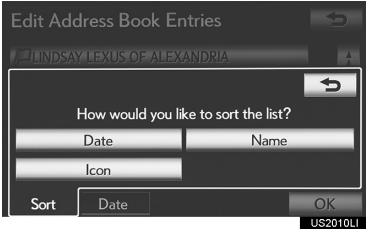
SORTING

The order of a list displayed on the screen can be rearranged.

1 Select “Sort”.



2 Select the desired sorting criteria.



Screen button	Function
“Distance”	Select to sort in order of distance from the current position.
“Date”	Select to sort in order of date.
“Category”	Select to sort in order of category.
“Icon”	Select to sort in order of icon.
“Name”	Select to sort in order of name.
“Brand”	Select to sort in order of brand name. (XM functions)
“Price”	Select to sort in order of price. (XM functions)

1. BASIC INFORMATION BEFORE OPERATION

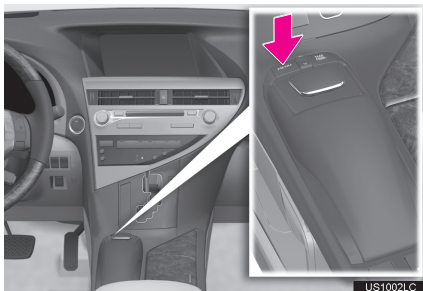
4. SCREEN ADJUSTMENT

The contrast and brightness of the screen display and the image the camera displays can be adjusted. The display can also be turned off, and/or changed to either day or night mode. (For information regarding audio/video screen adjustment, see "AUDIO SCREEN ADJUSTMENT" on page 246.)

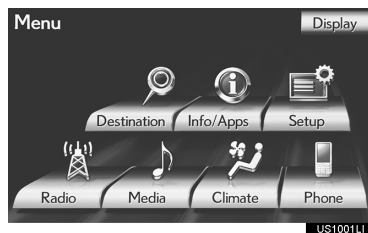
SCREEN SETTINGS ADJUSTMENT

ADJUSTING SCREEN DISPLAY AND CAMERA SETTINGS

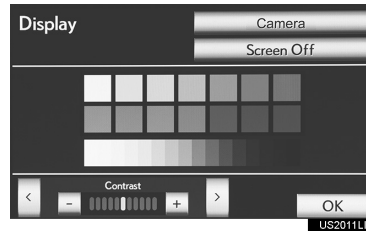
- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Display".

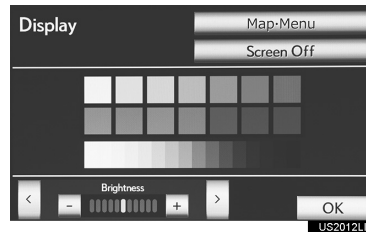


- ▶ Adjusting the screen display



"Camera": Select to adjust the image the camera displays.

- ▶ Adjusting the image the camera displays



"Map·Menu": Select to return to the screen display settings.

2

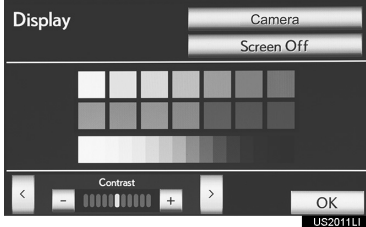
BASIC FUNCTION

1. BASIC INFORMATION BEFORE OPERATION

CONTRAST AND BRIGHTNESS ADJUSTMENT

The contrast and brightness of the screen can be adjusted according to the brightness of your surroundings. The display can also be turned off.

- 1 Select “<” or “>” to select the desired function (“Contrast” or “Brightness”).



- 2 Select the desired screen button to adjust contrast and brightness.

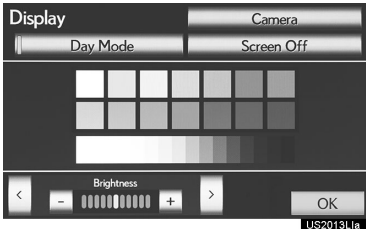
Screen button	Function
“Contrast” “+”	Select to strengthen the contrast of the screen.
“Contrast” “-”	Select to weaken the contrast of the screen.
“Brightness” “+”	Select to brighten the screen.
“Brightness” “-”	Select to darken the screen.

- 3 After adjusting the screen, select “OK”.
- The screen goes off when “Screen Off” is selected. To turn the screen back on, press any button on the audio panel or on the Remote Touch. The selected screen appears.

CHANGING BETWEEN DAY AND NIGHT MODE

Depending on the position of the headlight switch, the screen changes to day or night mode.

- 1 To display the screen in day mode, even with the headlight switch on, select “Day Mode” for brightness and contrast control.



- In the following conditions, the displays condition is not changed to night mode even if headlight switch is turned on:
 - The instrument panel light control switch is adjusted full brightness.
 - The vehicle is in a bright area, such as outside in direct sunlight.

INFORMATION

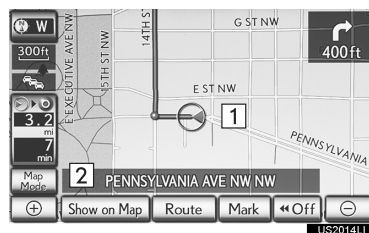
- If the screen is set to day mode with the headlight switch turned on, this condition is memorized even with the hybrid system <engine> turned off.

1. BASIC INFORMATION BEFORE OPERATION

5. MAP SCREEN OPERATION

CURRENT POSITION DISPLAY

When starting the navigation system, the current position is displayed first. This screen displays the current position and a map of the surrounding area.



- The current position mark (1) appears in the center or bottom center of the map screen.
- A street name will appear on the bottom of the screen, depending on the scale of the map (2).
- The screen can be returned to this map screen that shows the current position at any time, from any screen by pressing the “MAP/VOICE” button on the Remote Touch.

- To correct the current position manually, see page 134.

INFORMATION

- While driving, the current position mark is fixed on the screen and the map moves.
- The current position is automatically set as the vehicle receives signals from the GPS (Global Positioning System). If the current position is not correct, it is automatically corrected after the vehicle receives signals from the GPS.
- After 12-volt battery disconnection, or on a new vehicle, the current position may not be correct. As soon as the system receives signals from the GPS, the correct current position is displayed.

2

BASIC FUNCTION

1. BASIC INFORMATION BEFORE OPERATION

SCREEN SCROLL OPERATION

When any point on the map is selected, that point moves to the center of the screen and is shown by the cursor mark (1).



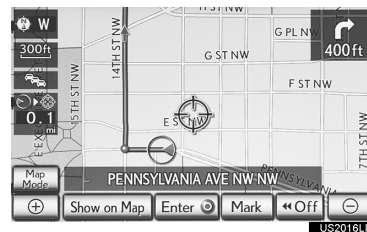
- Use the scroll feature to move the desired point to the center of the screen for looking at a point on the map that is different from the current position.
- To scroll over the map, place the pointer in a position near the desired destination and then press and hold the Remote Touch knob. The map will continue scrolling in that direction until the knob is released.
- A street name, city name, etc. of the selected point will be shown, depending on the scale of the map (2). Distance from the current position to the cursor mark will also be shown (3).

- After the screen is scrolled, the map remains centered at the selected location until another function is activated. The current position mark will continue to move along your actual route and may move off the screen. When the "MAP/VOICE" button on the Remote Touch is pressed, the current position mark returns to the center of the screen and the map moves as the vehicle proceeds along the designated route.
- When the scroll feature is used, the current position mark may disappear from the screen. Press the "MAP/VOICE" button on the Remote Touch to display the current position on the map screen.

TO SET THE CURSOR POSITION AS A DESTINATION

A specific point on the map can be set as a destination using the scroll function.

- 1 Select "Enter".



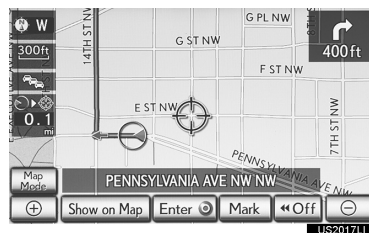
- The screen changes and displays the map location of the selected destination and the route preference. (See "STARTING ROUTE GUIDANCE" on page 89.)

1. BASIC INFORMATION BEFORE OPERATION

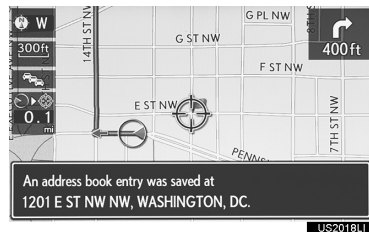
TO REGISTER THE CURSOR POSITION AS AN ADDRESS BOOK ENTRY


Address book entry registration enables easy access to a specific point.

1 Select "Mark".



2 This screen is displayed.



- The registered point is shown by  on the map.

- To change the icon or name, etc., see "EDITING ADDRESS BOOK ENTRIES" on page 117.

INFORMATION

- Up to 100 address book entries can be registered. If there is an attempt to register more than 100 address book entries, an error message will appear.

TO SEE INFORMATION ABOUT THE ICON WHERE THE CURSOR IS SET



- To display information about an icon, set the cursor on it.

POI INFORMATION

When the cursor is set on a POI icon, the name and "Info" are displayed at the top of the screen.

1 Select "Info".



2

BASIC FUNCTION

1. BASIC INFORMATION BEFORE OPERATION

- Information such as the name, address, position and phone number are displayed.

Information

Name: CAFE PHILLIPS

Address: 1200 E ST NW
WASHINGTON, DC

Position: N38°53'45" W77°1'41"

Phone #: (202)408-4900

Mark Enter

- If "Enter" is selected, the cursor position will be set as a destination.
- If a destination has already been set, "Go Directly" and "Add to Route" will be displayed.

"Go Directly": Select to delete the existing destination(s) and set a new one.

"Add to Route": Select to add a destination.

- To register this POI as an address book entry, select **"Mark"**. (See "REGISTERING ADDRESS BOOK ENTRIES" on page 117.)
- If is selected, the registered phone number can be called.
- The desired POI can be displayed on the map screen. (See "DISPLAY POI ICONS" on page 107.)

■ ADDRESS BOOK ENTRY INFORMATION

When the cursor is set on an address book entry icon, the name and "Info" are displayed at the top of the screen.

- Select "Info".



- Information such as the name, address, position and phone number are displayed.

Address Book Entry

Name: WASHINGTON PLAZA HOTEL



Address: 10 THOMAS CIR NW
WASHINGTON, DC

Position: N38°54'21" W77°1'53"

Phone #: (202)842-1300

Delete Edit Enter

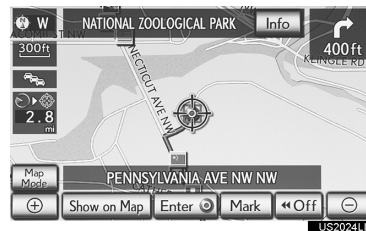
1. BASIC INFORMATION BEFORE OPERATION

- If “Enter”  is selected, the cursor position will be set as a destination.
 - If a destination has already been set, “Go Directly” and “Add to Route” will be displayed.
- “Go Directly”: Select to delete the existing destination(s) and set a new one.
- “Add to Route”: Select to add a destination.
- To edit an address book entry, select “Edit”. (See “EDITING ADDRESS BOOK ENTRIES” on page 117.)
 - To delete an address book entry, select “Delete”.
 - If  is selected, the registered phone number can be called.

■ DESTINATION INFORMATION

When the cursor is set on a destination icon, the name and “Info” are displayed on the top of the screen.

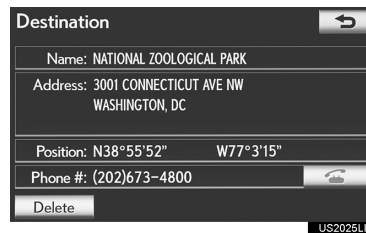
1 Select “Info”.




2

BASIC FUNCTION

2 Information such as the name, address, position and phone number are displayed.



- To delete a destination, select “Delete”.

- If  is selected, the registered phone number can be called.

1. BASIC INFORMATION BEFORE OPERATION

■ XM NavTraffic® TEXT INFORMATION

When the XM NavTraffic® icon on the map screen is selected, the XM NavTraffic® information bar will appear on the upper part of the screen.

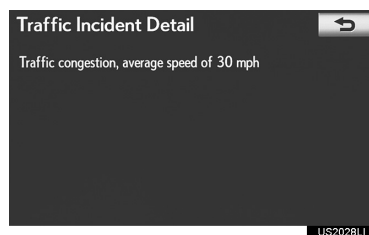
1 Select "Info".



2 Traffic information will be displayed on the screen.



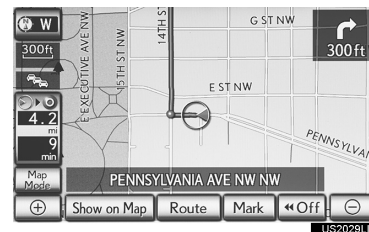
- To display detailed traffic event information, select "Detail".



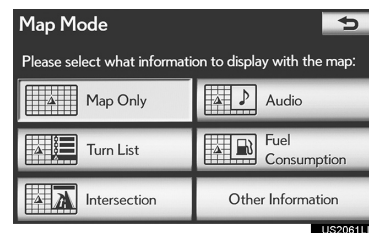
SWITCHING THE SCREENS

Any of the screen configurations can be selected.

1 Select "Map Mode".



2 Select the screen buttons to select the desired configuration.



- Depending on the conditions, certain screen configuration buttons cannot be selected.

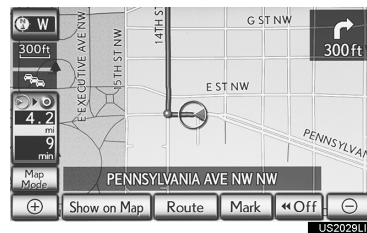
1. BASIC INFORMATION BEFORE OPERATION

Screen button	Function
"Map Only"	Select to display the single map screen. (See page 47.)
"Turn List"	Select to display the turn list screen. (See page 95.)
"Intersection"	Select to display the intersection guidance screen or the guidance screen on the freeway. (See page 94.)
"Audio"	Select to display the audio screen. (See page 47.)
"Fuel Consumption"	Select to display the fuel consumption screen. (See page 48.)
"Other Information"	Select to display the following 4 screen configurations: "Dual map", "Compass", "Turn-by-Turn Arrow" and "Freeway Exit List".
"Dual map"	Select to display the dual map screen. (See page 48.)
"Compass"	Select to display the compass mode screen. (See page 49.)
"Turn-by-Turn Arrow"	Select to display the turn-by-turn arrow screen. (See page 95.)
"Freeway Exit List"	Select to display the freeway exit list screen. (See page 93.)

SCREEN CONFIGURATIONS

MAP ONLY

This is a regular map screen.

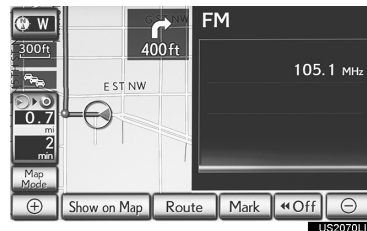


- The screen shows the single map.

- While on a different screen, selecting "Map Only" will display the single map screen.

AUDIO

The audio screen and the map screen are displayed.



- Information on the current radio station or track is displayed.

- If a different screen is displayed, select "Audio" on the "Map Mode" screen.
- For audio system operation, refer to "AUDIO/VIDEO SYSTEM OPERATION". (See page 212.)

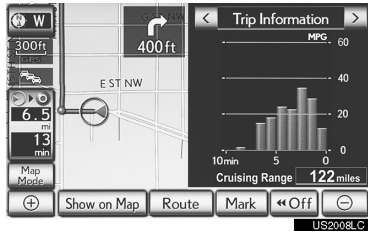
2

BASIC FUNCTION

1. BASIC INFORMATION BEFORE OPERATION

FUEL CONSUMPTION

The fuel consumption screen and the map screen are displayed.

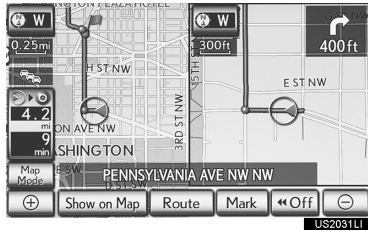


- Selecting “<” or “>” allows selection of the desired mode (“Energy Monitor”, “Trip Information” or “Past Record”).
- *: Vehicles with hybrid system

- If a different screen is displayed, select “Fuel Consumption” on the “Map Mode” screen.
- For an explanation on each fuel consumption mode, refer to “FUEL CONSUMPTION”. (See page 344.)

DUAL MAP

The map screen can be split into two.

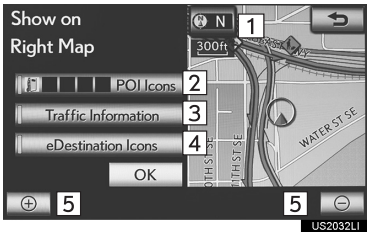


- This screen shows the dual map. The map on the left is the main map.
- While on a different screen, selecting “Dual map” will display the dual map screen.

EDITING RIGHT MAP

The right side map can be edited by selecting any point on the right side map.

- 1 Select the desired screen button.



- The following procedures can be performed on this screen:

No.	Function
1	Changing the orientation of the map
2	Displaying POI icons
3	Showing XM NavTraffic [®] information (See page 366.)
4	Displaying eDestination icons (See page 391.)
5	Changing the map scale

- 2 Select “OK” when editing is completed.
- The screen returns to the dual map screen.

COMPASS

The current position is indicated with a compass.



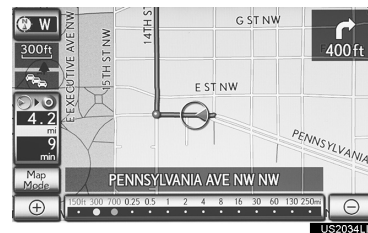
- Information about the destination, current position and a compass is displayed on the screen.
- While on a different screen, selecting "Compass" will display the compass mode screen.

INFORMATION

- The destination mark is displayed in the direction of the destination. When driving, refer to the longitude and latitude coordinates, and the compass, to make sure that the vehicle is headed in the direction of the destination.
- When the vehicle travels out of the coverage area, the guidance screen changes to the compass mode screen.

MAP SCALE

- Select or to change the scale of the map screen.



- The scale bar and indicator at the bottom of the screen indicate the map scale menu. The scale range is from 150 ft. (50 m) to 250 miles (400 km).
- Select and hold or to continue changing the scale of the map screen.
- The scale of the map screen can be changed by selecting the scale bar directly. This function is not available while driving.

INFORMATION

- Press the "Λ" button on the Remote Touch to zoom in on the map screen and the "v" button to zoom out.
- The map scale is displayed under the north-up or heading-up symbol at the top left of the screen.
- When the map scale is at the maximum range of 250 miles (400 km), is not shown. When the map scale is at the minimum range of 150 ft. (50 m), is not shown. In areas where the foot print map is available the map scale changes from to when at the minimum range.

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BASIC FUNCTION

1. BASIC INFORMATION BEFORE OPERATION

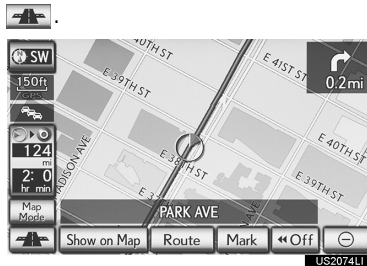
FOOT PRINT MAP


For the area which is covered by the foot print map (Some areas in the following cities: Detroit, Chicago, N.Y., L.A), you can switch to the foot print map on a scale of 75 ft. (25 m).

TO SWITCH TO THE FOOT PRINT MAP


 changes into  when the map is scaled down to 150 ft. (50 m).

- 1 To display the foot print map, select



- To delete the foot print map display, select .

INFORMATION

- If the map or the current position is moved to the area which is not covered by the foot print map, the screen scale automatically changes to 150 ft. (50 m).
- On the foot print map, a one way street is displayed by .
- It is not possible to perform scrolling on the foot print map while driving.

Building footprints in the database were created and provided by MAPMASTER.

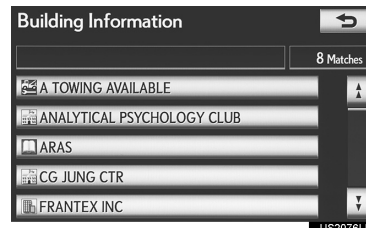
TO DISPLAY BUILDING INFORMATION

Information is available only for buildings for which information is recorded on the map data.

- 1 Select "Info" while the foot print map is displayed.



- Details of POIs in some buildings may be displayed.
- For detailed POI information, select the building name. Details of the selected POIs can be seen.

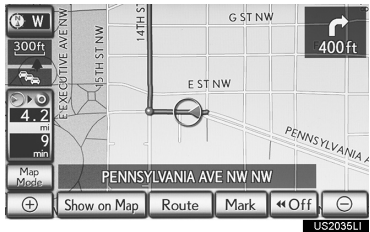


ORIENTATION OF THE MAP

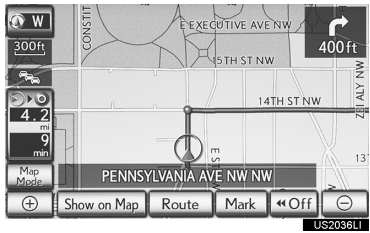
The orientation of the map can be changed from north-up to heading-up by selecting the orientation symbol at the top left of the screen.


1 Select  or .

► North-up screen




► Heading-up screen



 : North-up symbol

Regardless of the direction of vehicle travel, north is always up.

 : Heading-up symbol

The direction of vehicle travel is always up.

- Both the north-up and heading-up symbols display the vehicles direction as a letter (e.g. N for north).

STANDARD MAP ICONS

Icon	Name
	Island
	Park
	Industry
	Business facility
	Airport
	Military
	University
	Hospital
	Stadium
	Shopping mall
	Golf

2

BASIC FUNCTION